

## Product datasheet for SC322098

### SNX14 (NM\_153816) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	SNX14 (NM_153816) Human Untagged Clone
Tag:	Tag Free
Symbol:	SNX14
Synonyms:	RGS-PX2; SCAR20
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for SC322098  
GGCGGGGGCGTGGGGCTGGGCCAGCCGACGCGACCTCAGCCTGCGGGCGCTAACTGC  
CGGTAGGCGTCTGTGTGCGCCGCAAGTCGGTGGGGCGGGACGCGAGGTGTGGATGGG  
GGTCGCATTGACCTCTGCCTCAGCCAGTAGCGCAGTCTCGGCCTCGCCGTTACGGAGATG  
GTGCCCTGGGTGCGGACGATGGGGCAGAAGCTGAAGCAGCGGCTGCGACTGGACGTGGGA  
CGCGAGATCTGCCGCCAGTACCCGCTGTTCTGCTTCTGCTGCTGTCTCAGCGCCGCC  
TCCCTGCTTCTAACAGGTATATTCATATTTAATGATCTTCTGGTCATTTGTTGTTGGA  
GTTGTCACATTCTACTGCTCACTAGGACCTGATTCTCTTACCAAAATATATTCTTACA  
ATAAAATACAAACCAAGCAGTTAGGACTTCAGGAATTTTCTCAAGGTCATAGCTGT  
GCTGTTTGTGGTAAAGTAAAATGTAACGACATAGGCCTTCTTTGCTACTTGAAAAC  
CAGCCATGGCTAGACCTGAAAATTTCTTCCAAGTTGATGCATCTCTCAGAGGTTCTT  
GAATTAGTGTGGAAAACTTTGTATCCGTGGTACAGGGATGTGACAGATGATGAATCC  
TTTGTTGATGAAGTGAATAACATTACGTTTTTTTGCATCTGTCTTAATAAGAAGGATT  
CACAAGGTGGATATTCCATCTATTATAACCAAGAACTATTAAGCAGCAATGAAGCAT  
ATAGAAGTGATAGTTAAAGCCAGACAGAAAGTAAAAATACAGAGTTTTTACAGCAAGCT  
GCTTTAGAAGAATATGGTCCAGAGCTTCATGTTGCTTTGAGAAGTCGAAGAGATGAATTG  
CACTATTTAAGGAACTTACTGAACTGCTTTTTCTTATATTTTGCCTCCTAAAGCAACA  
GACTGCAGATCTCTGACCTTACTTATAAGAGAGATTCTGTCTGGCTCTGTGTTCCCTTCT  
TCTTTGGATTTCTAGCTGATCCAGATACTGTGAATCATTGCTTATCATCTTCATAGAT  
GACAGTCCACCTGAAAAAGCAACTGAACCGCTTCTCCTTTGGTTCGATTCTTGCAGAAA  
TTTGCAGAACCTAGAAATAAAAAGCCATCTGTGCTGAAGTTAGAATTGAAGCAAATCAGA  
GAGCAACAAGATCTTTATTTGTTTTATGAACTTCTGAAACAAGAAGGCGCAGTGCAC  
GTGTTGCAGTTTTGTTGACTGTGGAGGAATTTAATGATAGAATTTACGACCAGAATTA  
TCAAATGATGAAATGCTGTCTTTCATGAAGAATTGCAGAAGATTTATAAAACATACTGT  
TTGGATGAAAGTATTGACAAAATTAGATTTGATCCCTTCATTGTAGAAGAGATTCAAAGA  
ATTGCTGAGGGCCATACATAGATGTTGTGAAACTTCAAATATGAGATGCTTTTTTGAA  
GCATATGAACATGTTCTTCCCTTTTGGAGAATGATTTACTCCTATGTTCTGCCATAGT



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GATGAGTATTTTCAGACAACCTTTTAAAGAGGTGCAGAATCACCAACACGCAATTCAAAATTG  
AACAGAGGTAGCCTAAGTTTGGATGATTTTCGGAACACACAGAAAAGGGGAGAATCATTT  
GGAATCAGCAGAAATAGGTAGCAAATTAAGGAGTATTCAAAAGTACCACAATGGAGGGA  
GCTATGTTGCCTAATTATGGTGTAGCTGAAGGTGAAGATGATTTTATTGAAGAAGGTATT  
GTTGTAATGGAAGATGATTCTCCAGTGGAGGCTGTGAGCACACCTAATACTCCCCGAAAC  
CTTGCTGCATGGAAAATTAGCATTCCATATGTAGACTTTTTTGGAGATCCCTCCTCTGAA  
AGGAAGGAGAAAAAGAAAGAAATTCCTGTGTTTTGTATTGATGTTGAAAGAAATGATAGA  
AGAGCAGTTGGACACGAGCCTGAACATTGGTCTGTCTATAGAAGATATCTTGAATTCAT  
GTACTTGAATCAAACCTAACAGAATTTTCATGGTGCATTTCTGTATGCCAGCTTCTCTCT  
AAGAGGATCATTGGCCCCAAAATTATGAATCTTAAAGTCAAAGAGGGAAGAGTTCCAA  
GAATATCTACAGAACTTCTGCAGCATCCAGAAGTGAATAGTCAACTTCTGGCAGAC  
TTTCTTTCCCTAATGGTGGGAAACACAATTTCTTGATAAGATACTACCAGATGTAAT  
CTTGGGAAAATTATAAATCTGTTCTGGAAAATAATGAAAGAGAAAGGTCAGCATTTG  
GAACCTTTTATCATGAATTTCTTAATTTCTTGAGTCTCAAAGCCTAAACCAAGTAGA  
CCAGAAGTACCATTCTCAGCCCTACTTCAGAAAACAACAAGAAGCTTTTCAATGATCTG  
TTTAAAAATAATGCAAACCGTGTGAAAATACAGAGAGAAAGCAAATCAGAATTTTT  
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TTCCAGGTTCTGACTGGCTTCATCATCTCTTAATGGGAAGTCAATCCTCTTTAAAAAC  
ACCTTGGAAATGTATACTGATTACTATCTTCAGTGTAAACTAGAACAGCTATTTCCAGGAG  
CACCGTTTGGTCTCACTATAACTTCTCAGAGATGCTATATTCTGTGAAAACACTGAA  
CCTCGCTCTCCAAGATAAGCAAAAAGGAGCAAAACAGACTTTTGAAGAAATGATGAAT  
TACATTCAGATCTGTTAGTCAAGTGTATTGGTGAAGAAACCAAGTATGAAAGCATCAGA  
CTTCTGTTTGTAGGCTTACAGAACCAAGTCAACAAGCAGCTGACTTATGTTTTATTG  
GACATTGTGATACAGAACTGTTTCCAGAGCTCAATAAGGTACAAAAGGAAGTTACTCT  
GTGACATCTGGATGTAACACTTGGATTTGGTATAGAATAACCCATTGAAATTTCTGCT  
GTGCGAGGGTGGTAGAAATTTACTTTTTTGGGTATATTCTATATATATTATGTACATCG  
CTGTCTGAAATTTTAGTTATTTTTTGTTTTTAATAAAGACTAACACAACTTAATGATCA  
AAAAAAAAAAAAAAAA

- Restriction Sites:** Please inquire
- ACCN:** NM\_153816
- OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
- OTI Annotation:** This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
- Components:** The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
- Reconstitution Method:**
1. Centrifuge at 5,000xg for 5min.
  2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
  3. Close the tube and incubate for 10 minutes at room temperature.
  4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
  5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [NM\\_153816.2](#), [NP\\_722523.1](#)

RefSeq Size: 3509 bp

RefSeq ORF: 2841 bp

Locus ID: 57231

UniProt ID: [Q9Y5W7](#)

Cytogenetics: 6q14.3

Protein Families: Transmembrane

**Gene Summary:** This gene encodes a member of the sorting nexin family. Members of this family have a phosphoinositide binding domain and are involved in intracellular trafficking. The encoded protein also contains a regulator of G protein signaling (RGS) domain. Regulator of G protein signaling family members are regulatory molecules that act as GTPase activating proteins for G alpha subunits of heterotrimeric G proteins. Alternate splicing results in transcript variants encoding distinct isoforms. [provided by RefSeq, Jul 2014]  
Transcript Variant: This variant (1) encodes isoform a.